

CLEAN COPY OF SPECIFICATION PARAGRAPHS

The paragraphs from Page 2, lines 18 to 26:

BRIEF SUMMARY OF THE INVENTION

It is an object of the present invention to provide some improvements in security device technology.

According to one aspect of the present invention, there is provided a device having a surface relief structure which has a plurality of non-diffracting light scattering regions, each region having a number of non-periodic structures which scatter incident light in different directions, so that the region appears to an observer to be a particular shade of grey. This allows the device to simulate an optically invariable "printed" appearance, which is not capable of being copied by holographic techniques.

The paragraphs from Page 3, line 11 to Page 4, line 4:

According to another aspect of the invention, there is provided a device having a surface relief structure which has a plurality of regions, wherein the regions include grey scale regions which are smaller than 0.25mm in width, each grey scale region having a structure selected from a predefined group of different non-diffracting grey scale region structure types, each structure type having physical characteristics which provide a particular level of diffuse scattering of incident light, the different grey scale region structure types having, by reason of the differing diffuse scattering characteristics, different intensities when the device is illuminated by a light source and viewed by an observer.

As a preferred feature, one or more of the non-diffracting grey scale region structure types may have one or more graphic elements, line art or images represented in microscopic size in their surface relief structures. This results in multiple replication of the graphic elements line art or images across the device, making it impossible to destroy all copies by reason of rough usage.

In this preferred form, the same image may be represented in each grey scale region structure type, but with differing diffuse scattering characteristics. Alternatively,